

## Index of Authors — 1995

Ablitzer, D. — See Lebas, E. ....	173	Bojkov, Bojan, and Luus, Rein — Time Optimal Control of High Dimensional Systems by Iterative Dynamic Programming .....	380
Adjaye, John D. — See Katikaneni, Sai P.R. ....	484	Bowen, B.D. — See Vašák, F. ....	785
Akman, Ugur — See Gonenc, Z. Sermin ....	267	Brereton, C.M.H. — See Zhou, J. ....	612
Al-Shawabkeh, Ali, Matsuda, Hitoki and Hasatani, Masanobu — Comparative Reactivity of Treated FBC- and PCC-Fly Ash for SO <sub>2</sub> Removal .....	678	Briens, C.L. — See Shen, Z. ....	357
Alappat, Babu J. and Rane, V.C. — Studies on the Effects of Various Design and Operational Parameters on Solid Circulation Rate in a Recirculating Fluidized Bed .....	248	Broderick, G., Paris, J. and Valade, J.L. — Factors Affecting the Optimal Performance of a High-Yield Pulping Operation .....	391
Alatiqi, I., Aly, G., Mjalli, F. and Mumford, C.J. — Mathematical Modeling and Steady-State Analysis of a Scheibel Extraction Column .....	523	Bui, V.T. and Liu, T.M. — Heat-transfer Analysis for Quenched Impact Test Specimens of Polymers ..	258
Albiol, T. — Voir Zoulalian, A. ....	800	Bui, R.T., Simard, G., Charette, A., Kocaefe, Y. and Perron, J. — Mathematical Modeling of the Rotary Coke Calcining Kiln .....	534
Aldor, Ilana, Fourest, Eric and Volesky, Bohumil — Desorption of Cadmium from Algal Biosorbent .	516	Calis, H.P., Gerritsen, A.W., Van den Bleek, C.M., Legein, C.H., Jansen, J.C. and van Bekkum, H. — Zeolites Grown on Wire Gauze: A New Structured Catalyst Packing for Dustproof, Low Pressure Drop DeNO <sub>x</sub> Processes .....	120
Aldrich, C. and van Deventer, J.S.J. — Modelling of Induced Aeration in Turbine Aerators by Use of Radial Basis Function Neural Networks .....	808	Camacho-Rubio, F., Jurado-Alameda, E., González-Tello, P. and Luzón-González, G. — Kinetic Study of Fructose-Glucose Isomerization in a Recirculation Reactor .....	935
Alexander, K.L. and Li, Dongqing — Line Tension and Wettability Effects on Reduced Gravity Nucleate Boiling Heat Transfer .....	817	Cariappa, C. — See Caton, J.A. ....	345
Ali Cherif, A., Rakotomalala, M., Daïf, A. et Daguinet, M. — Contrôle hydrodynamique en convention mixte de l'épaisseur de dépôts en phase gazeuse de semi-conducteurs sur des corps à symétrie de révolution .....	908	Carroll, J.J. — See Feng, G.-X. ....	154
Altwick, Elmar R. — See Konduri, Ravi K. ....	744	Caton, J.A., Narney, II, J.K., Cariappa, C. and Laster, W.R. — The Selective Non-Catalytic Reduction of Nitric Oxide using Ammonia at up to 15% Oxygen .....	345
Aly, G. — See Alatiqi, I. ....	523	Cea, Pilar — See Artigas, Hector ....	862
Arastoopour, Hamid — See Seu-Kim, Hae ....	603	Çeçen, Ayse — The Maximum Spoutable Bed Heights of Water-Spouted Fine Particle Systems .....	51
Artigas, Hector, Cea, Pilar, Dominguez, Magdalena, Royo, Felix M. and Urieta, Jose S. — Isobaric Vapour-Liquid Equilibrium for the Binary Mixtures of 1-Bromobutane with Isomeric Butanols at 40.0 and 101.3 kPa .....	862	Chakma, Amitabha — See Karan, Kunal .....	196
Ayub, G.E. — See Rocha, S.C.S. ....	308	Chaouki, J. — See Berruti, F. ....	579
Bacon, D.W. — See Guay, M. ....	868	Chaouki, J. — Voir Chehbouni, A. ....	41
Baheri, H.R., Hill, G.A. and Roesler, W.J. — A Generic Algorithm for Optimization Of CFSTRs In Series With Any Biokinetic Equation .....	765	Charette, A. — Voir Dubuisson, C. ....	110
Baird, M.H.I. and Rama Rao, N.V. — Power Dissipation and Flow Patterns in Reciprocating Baffle-plate Columns .....	417	Charette, A. — See Bui, R.T. ....	534
Bakhshi, Narendra N. — See Katikaneni, Sai P.R. ....	484	Chatterjee, P.K., Datta, A.B. and Kundu, K.M. — Fluidized Bed Gasification of Coal .....	204
Basoul, A. Voir Tavakoli, T. ....	55	Chehbouni, A., Chaouki, J., Guy, C. et Klvana, D. — Effets de differents parametres sur les vitesses de transition de la fluidisation en regime turbulent ..	41
Bastoul, D. See Saberi, S. ....	253	Chen, C.Y. — See Vašák, F. ....	785
Basu, P. See Talukdar, J. ....	635	Chhabra, R.P. — See Uhlherr, P.H.T. ....	918
Batta, F.Y. See Hameed, M.S. ....	924	Chhabra, R.P., Singh, Tushar and Nandrajog, S. — Drag on Chains and Agglomerates of Spheres in Viscous Newtonian and Power Law Fluids .....	566
Bensmaili, A. et Coeuret, F. — Déformation subie par une nappe de mercure soumise à l'impact d'un jet liquide bidimensionnel immergé .....	148	Chhabra, R.P. — See Lohia, P.K. ....	263
Bensmaili, A. et Coeuret, F. — Transfert de matière entre une nappe de mercure et des jets liquides immergés, simples ou multiples .....	85	Cho, Wei-Chang — See Wang, Rong-Chi .....	66
Bergougnou, M.A. — See Shen, Z. ....	357	Chou, Ching-Chang — See Wang, Rong-Chi .....	793
Berk, Dimitrios — See Mulligan, David J. ....	351	Chowdhury, G. — See Lang, K. ....	686
Bernard, Jean-René — Voir Pitault, Isabelle ....	498	Chuang, K.T. — See Spagnolo, D.A. ....	322
Berruti, F., Chaouki, J., Godfroy, L., Pugsley, T.S. and Patience, G.S. — Hydrodynamics of Circulating Fluidized Bed Risers: A Review .....	579	Chuang, K.T. — See Tong, S. ....	220
Berruti, F. — See Grace, John R. ....	577	Chukwu, Godwin A. — See Yang, Liao .....	241
Bi, H.-T. — See Zhu, J.-X. ....	644	Cifuentes, C. — Voir Lédé, J. ....	300
Blandy, Claudine — Voir Nasr, Elsayed .....	129	Coeuret, F. — Voir Bensmaili, A. ....	85,148
		Cooney, J.D. — See Shen, Z. ....	357
		Daguinet, M. — Voir Ali Cherif, A. ....	908
		Daïf, A. — Voir Ali Cherif, A. ....	908
		Dalla Lana, I.G. — See Tong, S. ....	220
		Datta, A.B. — See Chatterjee, P.K. ....	204
		Day, M. — See Shen, Z. ....	357
		Delmas, H. — Voir Tavakoli, T. ....	55
		Ding, C.-Y. — See Hallett, W.L.H. ....	284

Do, K.T., Edwards, J.H. and Tyler, R.J. — The Catalytic Oxidative Coupling of Methane: I. Comparison of Experimental Performance Data from Various Types of Reactor .....	327
Dominguez, Magdalena — See Artigas, Hector ...	862
Dubuisson, C., Charette, A. et Kocaefe, D. — Cinétique de la calcination du coke de pétrole en atmosphères neutre et oxydante .....	110
Dutta, N.N. and Pangarkar, V.G. — Critical Impeller Speed for Solid Suspension in Multi-Impeller Three Phase Agitated Contactors .....	273
Edwards, J.H. — See Do, K.T. ....	327
Enda, Shigeyuki — See Kikuchi, Ken-Ichi .....	826
Epstein, N. — See Vašák, F. ....	785
Farouk, B. — See Mitra-Majumdar, D. ....	772
Feng, G.-X., Mather, A.E. and Carroll, J.J. — The Solubility of Hydrogen Sulfide in Mixtures of <i>n</i> -Hexadecane and <i>n</i> -Eicosane .....	154
Feng, Xianshe and Huang, Robert Y.M. — Permeate Pressure Build-up in Shellside-Fed Hollow Fiber Pervaporation Membranes .....	833
Firoozabadi, Abbas — See Shinta, Ali A. ....	367
Forissier, Michel — Voir Pitault, Isabelle .....	498
Fourest, Eric — See Aldor, Ilana .....	516
François, P. — See Tramba, A. ....	755
Gattu, Gangadhar and Zafiriou, Evangelos — Observer Based Nonlinear Quadratic Dynamic Matrix Control for State Space and Input/Output Models .....	883
Gerritsen, A.W. — See Calis, H.P. ....	120
Glitzenstein, A., Tamir, A. and Oren, Y. — Mass Transfer Enhancement of Acetic Acid Across a Plane Kerosene/Water Interface by an Electric Field .....	95
Godfroy, L. — See Berruti, F. ....	579
Goldman, H. — See Nikolova, P. ....	510
Gonenc, Z. Sermin, Akman, Ugur and Sunol, Aydin K. — Solubility/Retention Relationships in Supercritical-Fluid Chromatography .....	267
González-Tello, P. — See Camacho-Rubio, F. ....	935
Grace, John R. and Berruti, F. — Introduction and Overview .....	577
Grace, J.R. — See Zhou, J. ....	612
Grace, J.R. — See Zhu, J.-X. ....	662
Grandjean, B.P.A. — See Jemaa, N. ....	405
Guay, M., McLellan, P.J. and Bacon, D.W. — Measurement of Nonlinearity in Chemical Process Control Systems: The Steady State Map .....	868
Guiraud, Roland — Voir Nasr, Elsayed .....	129
Guy, Christophe — See Hyndman, Caroline L. ...	426
Guy, C. — Voir Chehbouni, A. ....	41
Hallett, W.L.H. and Ding, C.-Y. — A Momentum Integral Model for Central Recirculation in Swirling Flow in a Sudden Expansion .....	284
Hameed, M.S. and Batta, F.Y. — Experimental and Mathematical Studies of Natural Convection for Solid-Salt Dissolution in Water .....	924
Hanrot, F. — See Lebas, E. ....	173
Hasatani, Masanobu — See Al-Shawabkeh, Ali ...	678
Hayes, R.E. — See Kwok, W. ....	705
Henni, Amr and Mather, Alan E. — The Solubility of Ethane in Triethylene Glycol Monomethyl Ether .....	941
Henni, Amr and Mather, Alan E. — The Solubility of CO <sub>2</sub> in Triethylene Glycol Monomethyl Ether .....	156
Hill, G.A. — See Baheri, H.R. ....	765
Ho, T.C. — See Wang, Rong-Chi .....	66
Houzelot, J.-L. — See Lebas, E. ....	173
Hrymak, Andrew N. — See Mizoguchi, Atsushi ...	896
Huang, Robert Y.M. — See Feng, Xianshe .....	833
Hyndman, Caroline L. and Guy, Christophe — Gas Phase Flow in Bubble Columns: A Convective Phenomenon .....	426
Ishida, Kazuhiko — See Kikuchi, Ken-Ichi .....	826
Issangya, A. — See Zhu, J.-X. ....	662
Jamialahmadi, M., Malayeri, M.R. and Müller-Steinhagen, H. — Prediction of Heat Transfer to Liquid-Solid Fluidized Beds .....	444
Jansen, J.C. — See Calis, H.P. ....	120
Jemaa, N., Grandjean, B.P.A. and Kaliaguine, S. — Diffusion Coefficient of Hydrogen in a Pd-Ag Membrane: Effect of Hydrogen Solubility .....	405
Jin, Y. — See Zhu, J.-X. ....	662
Jin, Yong — See Wei, Fei .....	650
Jin, Y. — See Liang, W. ....	656
Joshi, J.B. — See Mundale, V.D. ....	161
Jou, Fang-Yuan, Mather, Alan E. and Otto, Frederick D. — The Solubility of CO <sub>2</sub> in a 30 Mass Percent Monoethanolamine Solution .....	140
Jurado-Alameda, E. — See Camacho-Rubio, F. ...	935
Kaliaguine, S. — See Jemaa, N. ....	405
Karan, Kunal, Chakma, Amitabha and Mehrotra, Anil K. — Air Stripping of Hydrocarbon-Contaminated Soils: Investigation of Mass Transfer Effects ....	196
Kaštanek, F. — See Vašák, F. ....	785
Kastrinakis, E.G. — See Tramba, A. ....	755
Katikaneni, Sai P.R., Adjaye, John D. and Bakhshi, Narendra, N. — Catalytic Conversion of Canola Oil to Fuels and Chemicals Over Various Cracking Catalysts .....	484
Kikuchi, Ken-Ichi, Takahashi, Hiroshi and Sugawara, Takuo — Liquid-Solid Mass Transfer in a Slurry Bubble Column and a Gas-Liquid-Solid Three-Phase Fluidized Bed .....	313
Kikuchi, Ken-Ichi, Ishida, Kazuhiko, Enda, Shigeyuki and Takahashi, Hiroshi — Gas-Liquid Mass Transfer in Two- and Three-Phase Upflows Through a Vertical Tube .....	826
Klvana, D. — Voir Chehbouni, A. ....	41
Kocaefe, D. — Voir Dubuisson, C. ....	110
Kocaefe, Y. — See Bui, R.T. ....	534
Konduri, Ravi K., Altwick, Elmar R. and Morgan III, M.H. — Atmospheric Spouted Bed Combustion: The Role of Hydrodynamics in Emissions Generation and Control .....	744
Kosanovich, Karlene A. — See Ye, Nan .....	234
Kruse, M., Schoenfelder, H. and Werther, J. — A Two-Dimensional Model for Gas Mixing in the Upper Dilute Zone of a Circulating Fluidized Bed .....	620
Kudsy, M., Kumazawa, H. and Sada, E. — Pyrolysis of Kraft Lignin in Molten ZnCl <sub>2</sub> -KCl Media with Tetralin Vapor Addition .....	411
Kumazawa, H. — See Kudsy, M. ....	411
Kundu, K.M. — See Chatterjee, P.K. ....	204
Kwok, W., Hayes, R.E. and Nasr-El-Din, H.A. — Propagation of a Nonionic Surfactant in Radial Sandstone Cores .....	705
Lang, K., Matsuura, T., Chowdhury, G. and Sourirajan, S. — Preparation and Testing of Polyvinyl Alcohol Composite Membranes for Reverse Osmosis .....	686
Langer, Vratilav — See Lyngfelt, Anders .....	228
Laster, W.R. — See Caton, J.A. ....	345

Lebas, E., Hanrot, F., Ablitzer, D. and Houzelot, J.-L. — Experimental Study of Residence Time, Particle Movement and Bed Depth Profile in Rotary Kilns .....	173	Mitra-Majumdar, D., Farouk, B., Shah, Y.T. and Wisecarver, K. — A Model for Two-phase Turbulent Mixing in a Jet Bubble Column .....	772
Lédé, J., Cifuentes, C., Pons, M.N., Villermaux, J. et Marcant, S. — Analyse par traitement d'images du dépôt de particules projetées par un jet gazeux sur une surface plane .....	300	Mizoguchi, Atsushi, Marlin, Thomas E. and Hrymak, Andrew N. — Operations Optimization and Control Design for a Petroleum Distillation Process .....	896
Leguin, C.H. — See Calis, H.P. ....	120	Mjalli, F. — See Alatiqi, I. ....	523
Legentilhomme, P. et Legrand, J. — Distribution des temps de séjour écoulement tourbillonnaire annulaire induit par une entrée tangentielle du liquide .....	435	Mogal, M.M.B. and Yadav, G.D. — Theoretical Analysis of Absorption of Chlorine in Aqueous Slurries of Calcium Hydroxide: Desorption of Hypochlorous Acid Gas .....	693
Legrand, J. — Voir Legentilhomme, P. ....	435	Monnery, Wayne D., Svrcek, William Y. and Mehrotra, Anil K. — Viscosity: A Critical Review of Practical Predictive and Correlative Methods .....	3
Li, Dongqing — See Alexander, K.L. ....	817	Morgan III, M.H. — See Konduri, Ravi K. ....	744
Li, Zu-Yi, Lu, Yingyin, Yadwad, V.B. and Ward, O.P. — Process for Production of Arachidonic Acid Concentrate by a Strain of <i>Mortierella alpina</i> ...	135	Moss, Brendan — See Stubington, John F. ....	505
Liang, W., Wu, Q., Yu, Z., Jin, Y. and Wang, Z. — Hydrodynamics of a Gas-Liquid-Solid Three Phase Circulating Fluidized Bed .....	656	Müller-Steinhagen, H. — See Jamialahmadi, M. ...	444
Lim, K.S. — See Zhou, J. ....	612	Mulligan, David J., Tam, Kawai and Berk, Dimitrios — A Study of Supported Molybdenum Catalysts for the Reduction of SO <sub>2</sub> with CH <sub>4</sub> : Effect of Sulphidation Method .....	351
Lim, C.J. — See Zhou, J. ....	612	Mumford, C.J. — See Alatiqi, I. ....	523
Liu, Qingdong and Smith, Kevin J. — Methane-Propylene Homologation and Reactivity of Surface Carbon on Modified Ni-Al <sub>2</sub> O <sub>3</sub> Catalysts .....	337	Mundale, V.D. and Joshi, J.B. — Optimization of Impeller Design for Gas Inducing Type Mechanically Agitated Contactors .....	161
Liu, T.M. — See Bui, V.T. ....	258	Nandrajog, S. — See Chhabra, R.P. ....	566
Lohia, P.K., Narayan, K.A. and Chhabra, R.P. — Mass Transfer From Highly Soluble Cylinders in Cross Flow: Some Experimental Results .....	263	Narayan, K.A. — See Lohia, P.K. ....	263
Lu, Yingyin — See Li, Zu-Yi .....	135	Narney, II, J.K. — See Caton, J.A. ....	345
Lu, G. — See Shen, Z. ....	357	Nasr, Elsayed, Guiraud, Roland, Pellegatta, Jean Louis et Blandy, Claudine — Estérification de l'acide stéarique par des alcools légers: catalyse homogène par les titanates .....	129
Luus, Rein — See Bojkov, Bojan .....	380	Nasr-El-Din, H.A. — See Kwok, W. ....	705
Luzón-González, G. — See Camacho-Rubio, F. ...	935	Nikolova, P., Goldman, H. and Ward, O.P. — Factors Affecting Catalytic Performance in YADH-catalyzed Reductions in Non-conventional Media .....	510
Lyngfelt, Anders, Langer, Vratislav, Steenari, Britt-Marie and Puromäki, Kazimiera — Calcium Sulphide Formation in Fluidized Bed Boilers. ...	228	Nychas, S.G. — See Tramba, A. ....	755
Maddi, M.K. and Rao, D.P. — Experimental Studies on Flow Boiling in Inclined Tubes: In the Regions Encountered in Solar Collectors .....	73	Okamura, S. — See Warsito, ....	734
Maezawa, A. — See Warsito, ....	734	Oren, Y. — See Glitzstein, A. ....	95
Maguire, Vineeta, Svrcek, William Y., Mehrotra, Anil K. and Razzaghi, Minoo — A Study of Interactions Between Soil Fractions and PAH Compounds in Thermal Desorption of Contaminated Soils .....	844	Otto, Frederick D. — See Jou, Fang-Yuan .....	140
Malayeri, M.R. — See Jamialahmadi, M. ....	440	Pan, C.Y. — See Spagnolo, D.A. ....	322
Malcata, F. Xavier — Revisiting the Maximum Conversion of Substrate in an Enzymatic CSTR with Micromixing Considerations .....	572	Pangarkar, V.G. — See Dutta, N.N. ....	273
Marcant, S. — Voir Lédé, J. ....	300	Paris, J. — See Broderick, G. ....	391
Marlin, Thomas E. — See Mizoguchi, Atsushi. ...	896	Patience, G.S. — See Berruti, F. ....	579
Mather, A.E. — See Feng, G.-X. ....	154	Pellegatta, Jean Louis — Voir Nasr, Elsayed .....	129
Mather, Alan E. — See Jou, Fang-Yuan .....	140	Perron, J. — See Bui, R.T. ....	534
Mather, Alan E. — See Henni, Amr .....	156,941	Piovosio, Michael J. — See Ye, Nan .....	234
Matsuda, Hitoki — See Al-Shawabkeh, Ali .....	678	Pitault, Isabelle, Forissier, Michel et Bernard, Jean-René — Détermination de constantes cinétiques du craquage catalytique par la modélisation du test de microactivité (MAT) .....	498
Matsuura, T. — See Lang, K. ....	686	Pons, M.N. — Voir Lédé, J. ....	300
Mazzarotta, Barbara and Sebastiani, Enzo — Process Design of Condensers for Vapor Mixtures in the Presence of Non-Condensable Gases .....	456	Prasad, K. Yagna and Ramanujam, T.K. — Gas Holdup and Overall Volumetric Mass Transfer Coefficient in a Modified Reversed Flow Jet Loop Reactor .....	190
McAvoy, Thomas J. — See Ye, Nan .....	234	Prazeres, D.M.F. — Optimal Design of <i>N</i> Membrane Reactors in Series Using Michaelis-Menten Kinetics .....	931
McFarlane, Richard A. — See Zhou, Bing .....	103	Pugsley, T.S. — See Berruti, F. ....	579
McLellan, P.J. — See Guay, M. ....	868	Puromäki, Kazimiera — See Lyngfelt, Anders .....	228
Mehrotra, Anil K. — See Karan, Kunal .....	196	Qin, S. — See Zhou, J. ....	612
Mehrotra, Anil K. — See Monnery, Wayne D. ...	3	Rakotomalala, M. — Voir Ali Cherif, A. ....	908
Mehrotra, Anil K. — See Maguire, Vineeta .....	844	Rama Rao, N.V. — See Baird, M.H.I. ....	417
Militzer, J. — See Saberi, S. ....	253	Ramamurthi, K. and Tharakan, T. John — Intensification of a Vortex During Free Draining .....	292



Ramanujam, T.K. — See Prasad, K. Yagna .....	190	Sunol, Aydin K. — See Gonenc, Z. Sermin .....	267
Rane, V.C. — See Alappat, Babu J. ....	248	Svrcek, William Y. — See Monnery, Wayne D. ..	3
Rao, D.P. — See Maddi, M.K. ....	73	Svrcek, William Y. — See Maguire, Vineeta .....	844
Raphael, M., Rohani, S. and Sosulski, F. — Isoelectric Precipitation of Sunflower Protein in a Tubular Precipitator .....	470	Syaiful, S. — Voir Tavakoli, T. ....	55
Razzaghi, Minoo — See Maguire, Vineeta .....	844	Takahashi, Hiroshi — See Kikuchi, Ken-Ichi ...	313,826
Redman, T.P., Rohani, S. and Strathdee, G. — On- Line Control of Supersaturation in a Continuous Cooling KCl Crystallizer .....	725	Talukdar, J. and Basu, P. — A Simplified Model of Nitric Oxide Emission From a Circulating Fluidized Bed Combustor .....	635
Rocha, S.C.S., Taranto, O.P. and Ayub, G.E. — Aerodynamics and Heat Transfer During Coating of Tablets in Two-Dimensional Spouted Bed .....	308	Tam, Kawai — See Mulligan, David J. ....	351
Roesler, W.J. — See Baheri, H.R. ....	765	Tamir, A. — See Glitzenstein, A. ....	95
Rohani, S. — See Raphael, M. ....	470	Taranto, O.P. — See Rocha, S.C.S. ....	308
Rohani, S. — See Redman, T.P. ....	725	Tavakoli, T., Syaiful, S., Bascoul, A. et Delmas, H. — Evolution axiale du coefficient de transfert de matière en colonne à bulles et en lit fluidisé triphasique ..	55
Royo, Felix M. — See Artigas, Hector .....	862	Terano, Tamotsu — See Yamamoto, Hideki .....	779
Saberi, S., Shakourzadeh, K., Bastoul, D. and Militzer, J. — Bubble Size and Velocity Measurement in Gas-Liquid Systems: Application of Fiber Optic Technique to Pilot Plant Scale .....	253	Tezel, F. Handan — See Triebe, Robert W. ....	717
Sada, E. — See Kudsy, M. ....	411	Tharakan, T. John — See Ramamurthi, K. ....	292
Saeki, Takashi, and Usui, Hiromoto — Heat Transfer Characteristics of Coal-Water Mixtures .....	400	Tokunaga, Junji — See Yamamoto, Hideki .....	779
Saha, Chandreyee and Tollefson, Eric L. — Hydro- desulfurization of Athabasca Fluid Coke — Conver- sion and Mechanism .....	211	Tollefson, Eric L. — See Saha, Chandreyee .....	211
Schoenfelder, H. — See Kruse, M. ....	620	Tong, S., Dalla Lana, I.G. and Chuang, K.T. — Kinetic Modeling of the Hydrolysis of Carbon Disulfide Catalyzed by Either Titania or Alumina .....	220
Scrivener, O. — See Tramba, A. ....	755	Topalidou, A. — See Tramba, A. ....	755
Sebastiani, Enzo — See Mazzarotta, Barbara .....	456	Tramba, A., Topalidou, A., Kastrinakis, E.G., Nychas, S.G., François, P. and Scrivener, O. — Visual Study of an Airlift Pump Operating at Low Submergence Ratios .....	755
Seu-Kim, Hae and Arastoopour, Hamid — Simulation of FCC Particles Flow Behavior in a CFB Using Modified Kinetic Theory .....	603	Triebe, Robert W. and Tezel, F. Handan — Adsorption of Nitrogen and Carbon Monoxide on Clinoptilolite: Determination and Prediction of Pure and Binary Isotherms .....	717
Shah, Y.T. — See Mitra-Majumdar, D. ....	772	Tyler, R.J. — See Do, K.T. ....	327
Shakourzadeh, K. — See Saberi, S. ....	253	Uchida, S. — See Warsito, .....	734
Shen, Z., Day, M., Cooney, J.D., Lu, G., Briens, C.L. and Bergougnou, M.A. — Ultrapolyolysis of Automobile Shredder Residue .....	357	Uhlherr, P.H.T. and Chhabra, R.P. — Wall Effect for the Fall of Spheres in Cylindrical Tubes at High Reynolds Number .....	918
Shinta, Ali A. and Firoozabadi, Abbas — Equation of State Representation of Aqueous Mixtures Using an Association Model .....	367	Urieta, José S. — See Artigas, Hector .....	862
Simard, G. — See Bui, R.T. ....	534	Usui, Hiromoto — See Saeki, Takashi. ....	400
Singh, Tushar — See Chhabra, R.P. ....	566	Valade, J.L. — See Broderick, G. ....	391
Slater, M.J. — A Combined Model of Mass Transfer Coefficients for Contaminated Drop Liquid-Liquid Systems .....	462	Van den Bleek, C.M. — See Calis, H.P. ....	120
Smith, Kevin J. — See Zhou, Bing .....	103	van Deventer, J.S.J. — See Aldrich, C. ....	808
Smith, Kevin J. — See Liu, Qingdong .....	337	van Bekkum, H. — See Calis, H.P. ....	120
Sörner, Maria and Ström, Krister H.U. — Estimation of Equation of State Parameters for 1,1,1,2-Tetra- fluoroethane in a Modified Benedict-Webb-Rubin Equation .....	854	Vašák, F., Bowen, B.D., Chen, C.Y., Kaštanek, F. and Epstein, N. — Fine Particle Deposition in Laminar and Turbulent Flows .....	785
Sosulski, F. — See Raphael, M. ....	470	Villermaux, J. — Voir Lédé, J. ....	300
Sourirajan, S. — See Lang, K. ....	686	Volesky, Bohumil — See Aldor, Ilana .....	516
Spagnolo, D.A., Chuang, K.T. and Pan, C.Y. — Improving Membrane Performance for Nitrogen Production from Air .....	322	Wang, Rong-Chi and Chou, Ching-Chang — Particle Mixing/Segregation in Gas-Solid Fluidized Bed of Ternary Mixtures .....	793
Steenari, Britt-Marie — See Lyngfelt, Anders ....	228	Wang, Rong-Chi, Cho, Wei-Chang and Ho, T.C. — Modeling of Grid Region Heat Transfer in a Shallow Gas-Solid Fluidized Bed .....	66
Strathdee, G. — See Redman, T.P. ....	725	Wang, Z. — See Liang, W. ....	656
Ström, Krister, H.U. See Sörner, Maria .....	854	Ward, O.P. — See Nikolova, P. ....	510
Stubington, John F. and Moss, Brendan — On the Timing of Primary Fragmentation During Bituminous Coal Particle Devolatilisation in a Fluidized Bed Combustor .....	505	Ward, O.P. — See Li, Zu-Yi .....	135
Sugawara, Takuo — See Kikuchi, Ken-Ichi .....	313	Warsito, Maezawa, A., Uchida, S. and Okamura, S. — A Model for Simultaneous Measurement of Gas and Solid Holdups in a Bubble Column Using Ultrasonic Method .....	734
		Wei, Fei, Yang, Guo-Qiang, Jin, Yong and Yu, Zhi-Qing — The Characteristics of Cluster in a High Density Circulating Fluidized Bed .....	650
		Werther, J. — See Kruse, M. ....	620

Wilkinson, Derek — Determination of Minimum Fluidization Velocity by Pressure Fluctuation Measurement .....	562	Yeh, Rong-Hua — Optimum Designs of Longitudinal Fins .....	181
Wisecarver, K. — See Mitra-Majumdar, D. ....	772	Yu, Z.-Q. — See Zhu, J.-X. ....	662
Woods, Donald R. — See Wright, David G. ....	546	Yu, Z. — See Liang, W. ....	656
Wright, David G. and Woods, Donald R. — Evaluation of Capital Cost Data: Part 9: Liquid Waste Disposal With Emphasis on Chemical Treatment .....	546	Yu, Zhi-Qing — See Wei, Fei .....	650
Wu, Q. — See Liang, W. ....	656	Zafirou, Evangelos — See Gattu, Gangadhar ....	883
Yadav, G.D. — See Mogal, M.M.B. ....	693	Zhou, Bing, McFarlane, Richard A. and Smith, Kevin J. — Methane Oxidative Coupling Over Promoted Pb/Ca Catalysts .....	103
Yadwad, V.B. — See Li, Zu-Yi. ....	135	Zhou, J., Grace, J.R., Lim, C.J., Brereton, C.M.H., Qin, S. and Lim, K.S. — Particle Cross-Flow, Lateral Momentum Flux and Lateral Velocity in a Circulating Fluidized Bed .....	612
Yamamoto, Hideki, Terano, Tamotsu, Yanagisawa, Masahiko and Tokunaga, Junji — Salt Effect of $\text{CaCl}_2$ , $\text{NH}_4\text{I}$ and $\text{NaI}$ on Vapor-Liquid Equilibrium of Ethanol + Water System at 298.15 K .....	779	Zhu, J.-X. and Bi, H.-T. — Distinctions Between Low Density and High Density Circulating Fluidized Beds .....	644
Yanagisawa, Masahiko — See Yamamoto, Hideki .	779	Zhu, J.-X., Yu, Z.-Q., Jin, Y., Grace, J.R. and Issangya, A. — Cocurrent Downflow Circulating Fluidized Bed (Downer) Reactors — A State of the Art Review .....	662
Yang, Liao and Chukwu, Godwin A. — A Simplified Couette Flow Solution of Non-Newtonian Power-Law Fluids in Eccentric Annuli .....	241	Zoulalian, A. et Albiol, T. — Analyse des interactions fluide-paroi dans un système ouvert à partir de la connaissance de la distribution des temps de séjour. Application aux dépôts d'aérosols par thermophorèse .....	800
Yang, Guo-Qiang — See Wei, Fei .....	650		
Ye, Nan, McAvoy, Thomas J., Kosanovich, Karlene A. and Piovosio, Michael J. — Optimal Averaging Level Control for the Tennessee Eastman Problem .....	234		